

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants	Lars Severinsson, <i>et al.</i>
Serial No. 10/	Filing Date: September 25, 2003
Title of Application:	Digital Sensor

Mail Stop Non-Fee Amendment  
 Commissioner for Patents  
 Post Office Box 1450  
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## Preliminary Amendment

Applicants herewith present its amendment and remarks. Please amend the claims and the abstract as detailed below.

### In the Claims

1. (currently amended) A digital sensor for monitoring the wear of the lining material of disc brakes, which sensor is to be attached at the end of an adjustment shaft of an adjusting mechanism for adjusting the position of brake pads in relation to the brake disc, which sensor comprises at least two code parts (~~2, 3, 13, 15, 20, 22, 29, 31, 44, 45, 46, 50, 51, 52, 57, 58~~), of which one (~~2, 13, 20, 29, 44, 50, 57~~) is rotated continuously by rotation of the adjustment shaft (~~44~~), characterized in that the code part rotating continuously is a code wheel (~~2, 13, 20, 29, 44, 50, 57~~) and that the other code parts are one or more sliding parts in the form of a code rack (~~3, 46, 51, 52~~), a sleeve (~~15, 22, 31~~) etc. which is moved in a linear fashion and/or one or more code wheels (~~45, 58~~).

2. (currently amended) The sensor of claim 1, characterized in that the code parts (~~3, 15, 22, 31, 46, 51, 52~~) not rotated continuously by the rotation of the adjustment shaft are moved intermittently by the rotation of the adjustment shaft.

3. (currently amended) The sensor of claim 1 or 2, characterized in that it further comprises detectors (~~5, 6, 24, 35, 36~~) directed towards the code parts (~~2, 3, 13, 15, 20, 22, 29, 31, 44, 45, 46, 50, 51, 52, 57, 58~~), a connection part (~~1, 18, 19, 27~~) of one of the code wheels (~~2, 13, 20, 29~~) drivingly connected to the adjustment shaft of the